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... First, modeling and **simulating** a reliable data ... time (recording package num, **send time**, finish time ... Sender retransmits the current **packet** immediately when ...

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... load is very different from that of **simulating** that same ... in the future (the **delay** between the **send time** and receive ... such a way that when a **packet** arrives its ...

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... Lastly, we estimate the mean NAK **send time**, the time ... we see that if the only **packet loss** comes from ... evaluate its potential effect by **simulating** the resulting ...

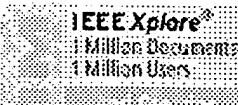
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... written for every received RTP **packet**: **send time**, receive time ... **Packet loss** percentage represents the percent of lost packets ... b). Not a single **packet** arrives to ...

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Jong Suk Ahn, Peter B. Danzig

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2 [Applications, services, and architecture: Supporting real-time speech on wireless ad hoc networks: inter-packet redundancy, path diversity, and multiple description coding](#) 

Chi-hsien Lin, Hui Dong, Upamanyu Madhow, Allen Gersho

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We consider the problem of supporting real-time traffic over packetized wireless ad hoc networks. Our specific emphasis is on speech, since this is a critical application in many scenarios such as emergency deployment of ad hoc networks. Standard retransmission-based Medium Access Control (MAC) strategies are poorly matched to speech applications, because the payload size for speech as well as for MAC-layer acknowledgements (ACKs) is small compared to the packet header, which contains a large ...

Keywords: 802.11, ad hoc, path diversity, real-time, speech, wireless

3 [Improving network simulation: TCPivo: a high-performance packet replay engine](#) 

Wu-chang Feng, Ashvin Goel, Abdelmajid Bezzaz, Wu-chi Feng, Jonathan Walpole

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This paper describes the design and implementation of a high performance packet replay tool called TCPivo. TCPivo is implemented on commodity hardware using widely available open-source software and can be used as a cost-effective means for evaluating the performance of networking devices. To achieve high throughput and accuracy, TCPivo employs novel mechanisms for managing trace files and accurate lowoverhead timers. In addition, through the use of low-latency kernel patches and priority schedu ...

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